Contents of Animal Reproduction Science, Volume 27

VOL. 27 NO. 1

FEBRUARY 1992

Selection of immature bovine oocytes for developmental potential in vitro
V. Madison, B. Avery and T. Greve (Frederiksberg, Denmark)
Effects of induction of parturition by administration of a prostaglandin $F_{2\alpha}$ analogue in rabbits: possible modification of prolactin. LH and FSH secretion patterns
E. Ubilla, J.M.R. Alvariño, A. Esquifino and C. Agrasal (Madrid, Spain)
Effect of shortening or lengthening the duration of the cycle on oestrus, ovulation and follicular growth in Ile-de-France sheep
J.C. Mariana (Monnaie, France), R. Tomassone and C. Dervin (Paris, France)
The growth rates of fetal thyroid, pituitary and adrenal glands of the West African dwarf goat
A.I.A. Osuagwuh and T.A. Aire (Ibadan, Nigeria)
The effect of administration of Clenbuterol (4-amino-α-[(tert-butyl-amino)methyl]-
3,5-dichlor-benzoylalcohol), a β_2 -mimetic, and of sodium meclofenamate, a
prostaglandin synthetase inhibitor, on cervical ripening in periparturient sheep
J.R. Owiny and R.J. Fitzpatrick (Neston, UK)
Preliminary study of postnatal growth and reproductive tract development in Yankasa rams
O.A. Osinowo, B.N. Marire and G.A. Ekpe (Zaria, Nigeria)
Retinol binding protein is produced by the bovine endometrium and accumulates in uterine secretions in a progesterone-dependent manner
P.G.A. Thomas, M.V. Leslie and P.J. Hansen (Gainesville, FL, USA)
Application of a sensitive heterologous enzymeimmunoassay for progesterone
determination in unextracted buffalo plasma samples collected in an embryo transfer experiment
B.S. Prakash, S. Jailkhani, S.K. Singla and M.L. Madan (Karnal, India)
Short Communication
β-Endorphin and met-enkephalin in cattle during late gestation and parturition—release
from uteroplacental tissues
I. Dobrinski, J.E. Aurich, HO. Hoppen and E. Grunert (Hannover, FRG)
Landanasan

heifers G.F. Gallo, J.E. Algire, A. Srikandakumar and B.R. Downey (Ste. Anne de Bellevue,	
Que., Canada)	83
Plasma and milk progesterone and plasma LH in ovariectomized lactating cows treated with new or used controlled internal drug release devices	. 05
J. van Cleeff, M.C. Lucy. C.J. Wilcox and W.W. Thatcher (Gainesville, FL, USA)	91
Relationships between GnRH-induced testosterone maxima, sperm motility and fertility in Ayrshire bulls	
M. Andersson (Hautjärvi, Finland)	. 107
Growth of the pre-ovulatory follicle, circadian distribution of ovulations and pregnancy rate after post-ovulatory inseminations in heifers	
W. Kähn (Munich, Germany)	. 113
Testicular response to GnRH in buffalo bull	
G. Abdel-Malak, S.A. Essawi, R.H. Youssef and F.A. Soliman (Giza, Egypt)	. 123
Activity, compartmentation and subcellular distribution of lysosomal enzymes during follicular maturation in the goat	
L.M. Ballesteros, A.M. Rosales, A. Rosado and O. Hernández-Pérez (Mexico,	
Mexico)	. 129
Daily oral administration of melatonin from March onwards advances by 4 months the breeding season of ewes maintained under the ambient photoperiod at 57°N	
J.J. Robinson, S. Wigzell, R.P. Aitken, J.M. Wallace, S. Ireland and I.S. Robertson	
(Aberdeen, UK)	. 141
Pregnancy detection and litter size classification by estrone sulfate measurements in swine under farm conditions	
S.M. Moenter, P.J. Dziuk (Urbana, IL, USA) and S.K. Webel (Normal, IL, USA)	. 161
Changes in luteinizing hormone concentrations after abortion, parturition, and weaning in primiparous sows	
C.A. Smith, G.W. Almond and G.D. Dial (Raleigh, NC, USA)	. 169
Induction of follicular development and estrus in prepubertal gilts with gonadotropins	
B.G. Huff and K.L. Esbenshade (Raleigh, NC, USA)	. 183
Concentrations of prolactin and LH after administration of Met-enkephalin analogue (FK 33-824) to gilts during the follicular phase	
S.C. Okrasa and J.E. Tilton (Fargo, ND, USA)	. 195
Physical contact with the boar is required for maximum stimulation of puberty in the gilt because it allows transfer of boar pheromones and not because it induces cortisol release	
G.P. Pearce, (Parkville, Vic., Australia) and A.M. Paterson (South Perth, W.A.,	
Australia)	. 209
Comparative effects of <i>Trypanosoma brucei brucei</i> and <i>Trypanosoma congolense</i> on the reproductive capacity of boars in tsetse-endemic zone	
B.C.O. Omeke and G.I. Onuora (Nsukka, Nigeria)	. 225
Quick freezing of mouse two-, four-, and eight-cell embryos with ethylene glycol plus sucrose or lactose: effects of developmental stage and equilibration period on survival in vitro	
A.A. Rayos, Y. Takahashi, M. Hishinuma and H. Kanagawa (Sapporo, Japan)	230
Factors affecting oviductal sperm storage in domestic fowl following artificial insemination	. 239
JP. Brillard (Nouzilly, France)	. 247

Short Communication	
Attainment of puberty in peripubertal gilts provided daily boar exposure: enhanced response following addition of prepubertal gilts to the breeding facility	
K.A. Bryan and D.R. Hagen (University Park, PA, USA)25	7
VOL. 27 NO. 4 MAY 1999	2
fugular blood plasma acetylcholinesterase (AchE) activity during oestrus in dairy cattle	
S.G. Ramachandra, N. Prakash and K. Narayana (Bangalore, India)	3
Motility characteristics and metabolism of ram sperm in the presence of ethanol	
R. Vishwanath, M.A. Swan and I.G. White (Sydney, N.S.W., Australia)	9
Effect of superovulation with pFSH or PMSG on growth and maturation of the ovulatory follicles in sheep	
M.A. Driancourt (Monnaie, France) and R.C. Fry (Werribee, Vic., Australia)	9
Collection and transfer of ovine embryos by laparoscopy	
E. Nellenschulte and H. Niemann (Neustadt, Germany)	3
Seasonal variation in reproductive activity in Australian goats	
B.J. Restall (Wollongbar, N.S.W., Australia)	5
GnRH-stimulated LH and FSH release by perifused anoestrous red fox pituitary cells: gonadal steroid modulation	
M. Bonnin, M.C. Audy (Bordeaux, France) and M. Mondain-Monval, (Fresnes,	
France)	9
Short Communications	
Effect of barbiturate anaesthesia on oestradiol-induced LH release in dairy cows	
A.S. Nanda, J.C. Brearley and H. Dobson (Neston, UK)	5
Seroprevalence of sperm antibody in selected Minnesota swine breeding herds	
O.E. Fayemi, R.B. Morrison and H.S. Joo (St. Paul, MN, USA)34	1
Author Index	7